1st and Part bill

Original/ duplicate / Triplicate

# CONTRACT CERTIFICATE

(For other Works)

Date _____.

Division: Dasarahalli Division. Sub Division: Shettyhalli Sub Division

Bill Received No _____ Date _____ Cash Book Voucher No _____ Dated _____.

Scheduled Docket No.

Name of Work: Improvements to Roads & Drains in Gangamma Police Station beside road in Ward No.12 Shettyhalli, Shettyhalli Sub Division

Name of Contractor and Full Address: M/s.KRIDL(West), Bengaluru.

Reference to Agreement No. AS:- BBMP/EE/DD/AS/249/2019-20 Date:16.03.2020

WORK CODE: 012-20-000115 TS :- CE/D/TS/82/2019-20 Date:16.03.2020 Est. Cost:199.00 Lakhs.

Work order No: EE/DD/WO/76/2020-21 Date: 20-03-2020

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Certified that the measurements were checked by me on 10.07.2020 and recorded on Page No: 489211 to 489213. of Measurement Book No 4893/20-21 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

Officer – in –charge of work

Certified that the measurements were checked by me on 10/7/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If memorandum of Payment

Sub – Division Office

1. Total value of work done of supplies made as per account within
2. Deduct amount to be held in reserve being ____ Percent Rs _____
3. Balance
4. Deduct Payments
   a) Amount of previous payment as in the Office Cash Book Voucher No _____ Dated _____ CD No _____
   Amount adjusted towards cash advance recovery of
   b) Payments _____ cost of store or other materials supplied
   Now made recovery of amount Creditable to his / other work
   Amount paid on this bill by cheque / cash
5. Balance being unpaid value of work done held in reserve
6. Deduct cash advance made on the Office Cash Book Voucher No _____ Date _____ less adjustments
7. Net amount due to or from contractor
   Unadjusted items
8. Advance to contractor for materials brought to site (as detailed ) within value of Government materials supplied

1st and Part Bill Amount - 6172119=00

IT - 123442=00

LWC ~~123442=00~~ 61721=00

CBF → 6172=00

Royalty - 123510=00

FSD - 308606=00

CGST - 55108=00

SGST - 55108=00

(-) 733667=00

Net — 5438452=00

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

Contractor Signature

Received Rs _____ (In Words _____

By cash and by adjustment of payment as per memorandum.

Witnesses:

1.

2.

Dated _____

Paid by me by cheque No _____

Cash Rs _____

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

Signature of Contractor

Audited and admitted for Rs. 6172119=00

Passed by Cheque for Rs. 5438452=00

Stamp (for use in the office)

Fifty Four Lakhs Thirty Eight Thousand Four hundred and Fifty

Dated

Paid on

by Cash/Cheque No. 733667=00

Executive Engineer

Initials of Officer making Payment

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| Sl. No. | Description of Item | Unit | Previous | | Present Measurements | | | Total up to date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Amount | Qty | Rate | Amount | Qty | Amount |
| 1 | Removing & Refixing stone slabs of drains and pointing in C. M (1 :3) etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Sqm | | | 7.50 | 111.30 | **834.75** | 7.50 | **834.75** |
| 2 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH I Chapter 3 etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 262.65 | 233.20 | **61249.28** | 262.65 | **61249.28** |
| 3 | Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC@ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 24.49 | 5,505.64 | 134833=00 **134811.10** | 24.49 | 134833=00 **134811.10** |
| 4 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.-do- Wall & bottom thickness 15cm etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 46.75 | 7,070.20 | 330531.85 **330503.57** | 46.75 | 330531.85 **330503.57** |
| 5 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and I or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Tonne | | | 1.26 | 75,223.96 | 94782=00 **94736.15** | 1.26 | 94782=00 **94736.15** |
| 6 | Providing and Fixing pre-cast reinforced cement concrete covering slabs of 10cm thick made out of M25 with OPC cement @ 340kgs per cum, 20mm and down size graded granite metal course aggregates @0.70cum and fine aggregates @0.74cum with super plasticizers, machine mixed, including providing and removing centering, shuttering, strutting, propping etc., for edges of slab with TMT (Fe 500) cost & reinforcement charges, including finishing as required with cost of reinforcement etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Sqm | | | 178.20 | 1,724.00 | **307216.80** | 178.20 | **307216.80** |
| 7 | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1 :6) including fixing curing etc., complete. 7.5 cms thick etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Sqm | | | 35.28 | 742.00 | **26177.76** | 35.28 | **26177.76** |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | No. | | | 1,073.00 | 432.48 | **464051.04** | 1073.00 | **464051.04** |
| 9 | KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 | Sqm | | | 145.90 | 84.80 | **12372.32** | 145.90 | **12372.32** |
| 10 | Scarifying by mechanical means stone metal crust 50mm to 1 00mm thick by along with 20mm premix carpet I surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Sqm | | | - | 44.03 | **0.00** | 0.00 | **0.00** |
| 11 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1. 00 km etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 777.00 | 79.30 | **61616.10** | 777.00 | **61616.10** |
| 12 | Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Sqm | | | 3,369.84 | 6.36 | **21432.18** | 3369.84 | **21432.18** |
| 13 | Stone dust / Grit 4.75 mm to 0.075 mm etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | - | 1,000.00 | **0.00** | 0.00 | **0.00** |
| 14 | Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density,etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.Clause 401 of MORTH V Revision. | Cum | | | - | 1,994.92 | **0.00** | 0.00 | **0.00** |
| 15 | Providing, laying, spreading and compacting cushed stone aggregates of granite I trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired densityetc., complete as per specifications and as per the direction of Engineer-in-charge of the work.MORTH Specification No.406 | Cum | | | 758.21 | 2,001.28 | 1517390.50 **1517398.51** | 758.21 | 1517390.50 **1517398.51** |
| 16 | Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.Clause 502 of MORTH V revision | Sqm | | | 3,369.84 | 33.92 | **114304.97** | 3369.84 | **114304.97** |

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|---|---|---|---|---|---|---|---|
| 17 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and l or compressed air to receive bituminous treatment including cost of all materials, labour, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.Clause 501 of MORTH V revision | Sqm | | | - | 5.30 | **0.00** | 0.00 | **0.00** |
| 18 | Providing and applying tack coat using 80/100 grade bitumen(VG1 0) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.Clause 503 of MORTH V revision | Sqm | | | 3,369.84 | 12.72 | **42864.36** | 3369.84 | **42864.36** |
| 19 | Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-11 Cum 7,284.00 (50 mm to 75 mm) with 4.5 % VG-30 Bitumen etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 168.49 | 7,428.48 | 1251624.59<br>**1251639.45** | 168.49 | 1251624.59<br>**1251639.45** |
| 20 | Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.-do-using 120 TPH capacity Asphalt batch mix plant with sensor paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Cum | | | 101.10 | 8,699.42 | 879511.36<br>**879469.60** | 101.10 | 879511.36<br>**879469.60** |
| 21 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.MORTH Specification No. 803 | Sqm | | | - | 454.74 | **0.00** | 0.00 | **0.00** |

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|---|---|---|---|---|---|---|---|
| 22 | KSRRB M800 Road markers I Road stud<br>KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Nos. Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work. | Nos | - | 357.22 | 0.00 | 0.00 | 0.00 |
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|---|---|---|---|---|---|---|---|
| | | | | Total Rs | 5320677.96 | 5320792=00 | 5320677.96 |
| | | | | GST Charges 12% | 638481.36 | 638495=00 | 638481.36 |
| | | | | KRIDL Charges 4% | 212827.12 | 212832=00 | 212827.12 |
| | | | | Grand Total | 6171986.44 | 6172119=00 | 6171986.44 |

5320792=00
638495=00
212832=00
6172119=00

**Certificate**

1 Certified that the contractor has work done satisfactorily.
2 The contractor has removed the debries from work site.
3 There is no any dept. materials issued to contractor

Assistant Engineer
Ward No 12, Shettyhalli
BBMP, Bangalore

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

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